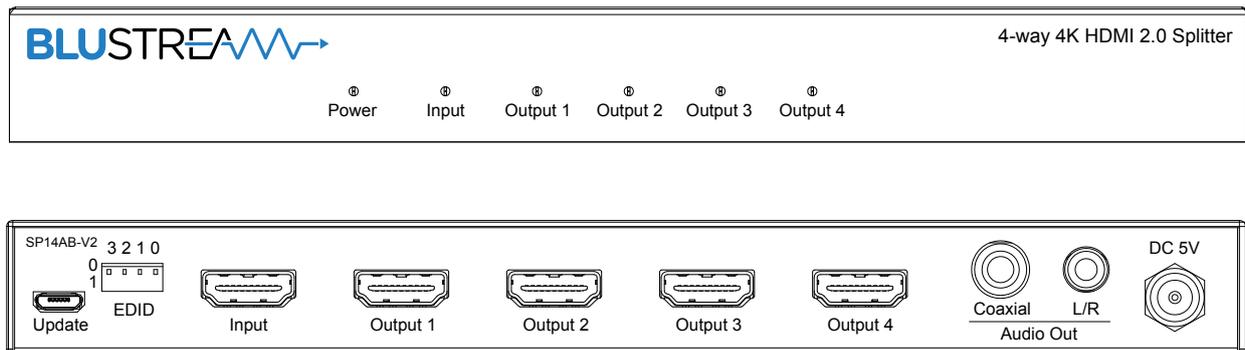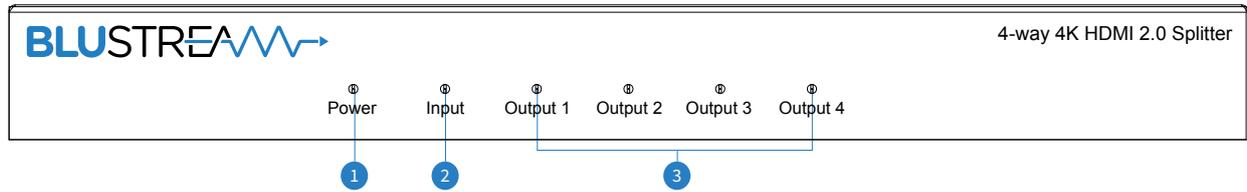# SP14AB-V2

Quick Reference Guide

Introduction

Our SP14-V2 4K HDMI 2.0 splitter distributes a single HDMI source to four simultaneous outputs. The splitter supports full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4.

Key Features:

- Features 1x HDMI input that is replicated to 4x HDMI outputs
- Supports full HDMI 2.0 4K UHD video including HDR (up to 4K @60Hz 4:4:4)
- HDCP 2.2 compliant
- Supports 3D signal display
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications.
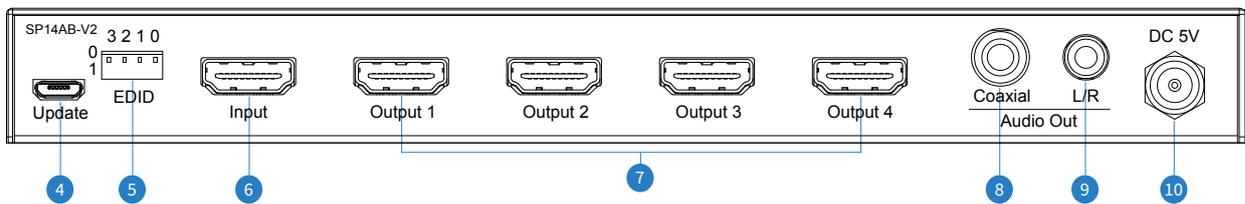- Advanced EDID management

Panel Description

Front Panel:

1 Power LED - indicates if SP14AB-V2 is on or off	**3** Output LED - indicates if HDMI output is active
2 Input LED - indicates if HDMI input is active	

Rear Panel:

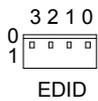|	
4 Micro USB connector - used for firmware upgrade	**8** Coaxial digital audio output
5 EDID DIP switch - used to adjust HDMI input EDID settings	**9** Analog L/R audio output - 3.5mm stereo audio jack, Supports 2 channel PCM only
6 HDMI input - connect to HDMI source	
7 HDMI outputs 1-4 - connect to HDMI displays	**10** Power port - use included 5V/2A DC power adaptor

Adjusting The EDID Settings

The EDID configuration can be altered using the dip-switches located on the rear panel of the splitter.
Please see adjacent table for EDID settings.
Note: You must power-cycle the HDMI splitter after changes have been made in order for the EDID settings to update.
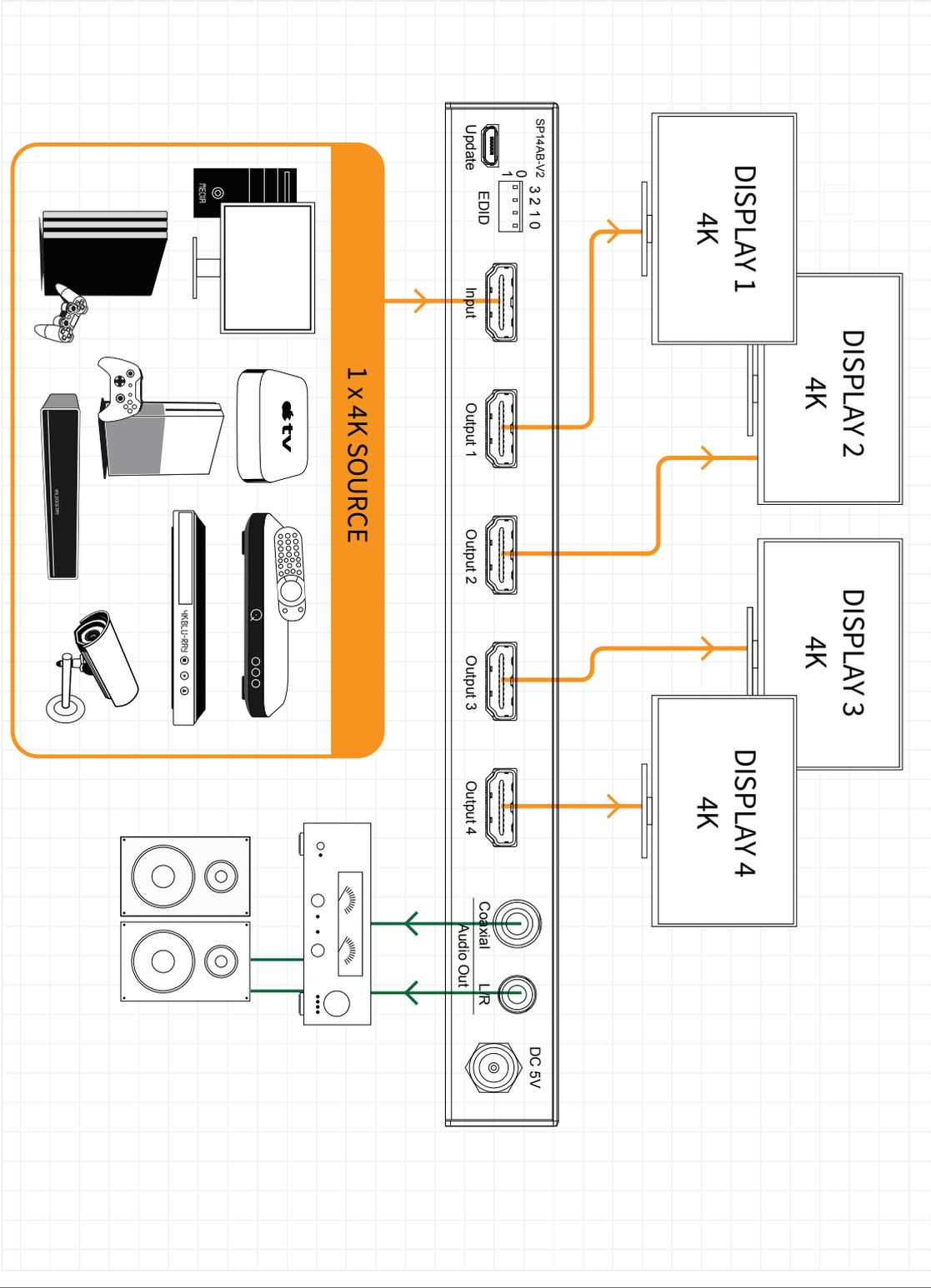
EDID Dip-switches

EDID Dip-switches
[DIP]=0000: HDMI 1080p@60Hz, Audio 2ch PCM
[DIP]=0001: HDMI 1080p@60Hz, Audio 5.1ch PCM/DTS/DOLBY
[DIP]=0010: HDMI 1080p@60Hz, Audio 7.1ch PCM/DTS/DOLBY/HD
[DIP]=0011: HDMI 1080i@60Hz, Audio 2ch PCM
[DIP]=0100: HDMI 1080i@60Hz, Audio 5.1ch PCM/DTS/DOLBY
[DIP]=0101: HDMI 1080i@60Hz, Audio 7.1ch PCM/DTS/DOLBY/HD
[DIP]=0110: HDMI 4K@60Hz 4:2:0 + 4K@30Hz 4:4:4, Audio 2ch PCM
[DIP]=0111: HDMI 4K@60Hz 4:2:0 + 4K@30Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY
[DIP]=1000: HDMI 4K@60Hz 4:2:0 + 4K@30Hz 4:4:4, Audio 7.1ch PCM/DTS/DOLBY/HD
[DIP]=1001: HDMI 4K@60Hz 4:4:4, Audio 2ch PCM
[DIP]=1010: HDMI 4K@60Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY
[DIP]=1011: HDMI 4K@60Hz 4:4:4, Audio 7.1ch PCM/DTS/DOLBY/HD
[DIP]=1100: DVI 1280x1024@60Hz, Audio None
[DIP]=1101: DVI 1920x1080@60Hz, Audio None
[DIP]=1110: DVI 1920x1200@60Hz, Audio None
[DIP]=1111: Copy Display EDID (output 1)

BLUSTREAM
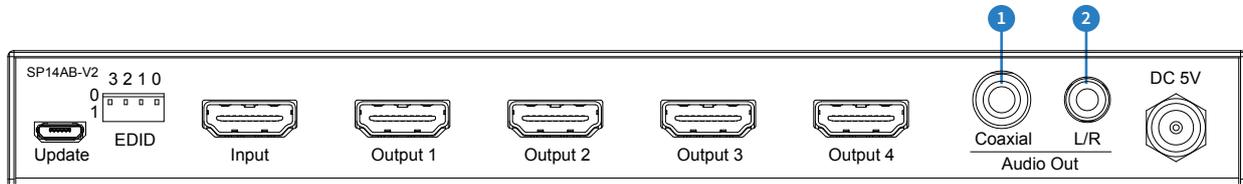
Example Schematic
SP14AB-V2

Stereo Audio
HDMI

1 x 4K SOURCE

SP14AB-V2

Update

EDID

0
1
3 2 1 0

Input

Output 1

Output 2

Output 3

Output 4

Coaxial

Audio Out

L R

DC 5V

DISPLAY 1
4K

DISPLAY 2
4K

DISPLAY 3
4K

DISPLAY 4
4K

Audio Breakout

The splitter includes audio breakout from the selected HDMI input to associated analogue L/R audio and coaxial digital outputs. Extracted audio will be concurrent with the corresponding HDMI video output. Note: Source input must be PCM 2ch audio for analogue audio outputs to work. The splitter does not down-mix multichannel audio signals.

1 Coaxial digital output - Output 1

2 Analogue fixed line level output 3.5mm stereo jack - Output 2

Specifications:

Video Input Connectors: 1x HDMI Type A, 19-pin, female

Video Output Connectors: 4x HDMI Type A, 19-pin, female

Audio Output Connectors: 1x RCA (SPDIF), 1x 3.5mm stereo jack (L/R)

EDID: 4-Pin DIP switch

Casing Dimensions (W x D x H): 202mm x 84mm x 22mm

Dimensions Inc. Connections (W x D x H): 202mm x 71mm x 22mm

Shipping Weight: 0.6kg

Operating Temperature: 32°F to 104°F (0°C to 40°C)

Storage Temperature : -4°F to 140°F (-20°C to 60°C)

Power Supply : 5V/2A DC

Package Contents:

• 1x SP14AB-V2

• 1x 5V/2A DC power supply

• 1x Mounting kit

• 1x Quick reference guide